

ABSTRACT OF THE DISCLOSURE

A conformable fuel cell is provided which includes a basic structure that provides flexibility while providing a high compression along the active surface of the fuel cell's membrane electrode assembly, which can be achieved by an injection-molded frame. A
5 suitable fuel is delivered to the anode aspect of the fuel cell. Effective water management could also be provided by appropriate diffusion layers. The fuel cell can be contour-molded to a desired shape, or can be constructed of an array of flexibly connected individual fuel cells that overall have a curvilinear shape, or can be constructed as a
10 pliable fuel cell that can be incorporated into an application device or an article of clothing.